

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-331 / ORNL Decontamination & Decommissioning - Def**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0097**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

The Oak Ridge National Laboratory (ORNL) is a multidisciplinary research facility that began operation in 1943 as part of the Manhattan Project. The original mission of the laboratory was to develop a prototype graphite reactor and reactor fuel reprocessing facility. Subsequent to World War II, ORNL functions have expanded to include fuel reprocessing research; radioisotopes production and applications development; nuclear reactor development, testing, and operation; and biological, environmental, energy, and materials research. Many inactive facilities that were used for these research and development activities require decontamination and decommissioning (D&D). These facilities include research reactors, tanks, auxiliary buildings and equipment, isotopes processing buildings, surface facilities and wells associated with hydrofracture operations, and other radioactively contaminated structures. These buildings have been inactive for many years, and contain contaminated equipment. As the buildings age and begin to deteriorate, there is an increasing risk that contamination can migrate, causing risks to ORNL workers and the environment. The purpose of the ORNL D&D Project is the decontamination and decommissioning of inactive facilities located at ORNL. The scope of work for the ORNL Decontamination and Decommissioning Project includes the following subprojects:

a) Reactor D&D Record of Decision (ROD) - The objective of this subproject is the completion of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) assessment phase of the Melton Valley Environmental Management mission that documents the remedial actions taken for the reactor sites within Melton Valley under CERCLA regulation. The ultimate purpose of this effort is to develop and document remedial action decisions for the reactor facilities within the Melton Valley Watershed that will lead to rapid and cost effective remediation.

b) Hydrofracture D&D - This subproject covers work required to remediate the Old Hydrofracture Facility (OHF) Pond and remaining OHF tanks shells, D&D the OHF (Building 7852 and associated surface structures) and the New Hydrofracture Facility (NHF) and plugging and abandonment (P&A) of hydrofracture site injection and monitoring wells.

Old Hydrofracture Pond/Tank Remediation: The objective of this task is to remediate the pond and tanks at the OHF site. The pond sediments will be stabilized in place with grout. The Process Waste Sludge Basin (PWSB) sediments will be stabilized, excavated, and placed into the OHF pond. The area will be back-filled with soil and graded.

Old Hydrofracture Facility D&D: The objective of this task is D&D of the remaining OHF surface facilities.

New Hydrofracture Facility D&D: The objective of this task is D&D of remaining NHF surface facilities.

Hydrofracture Injection/Monitoring Wells: The objective of this task is to meet the requirements of the Tennessee Underground Injection Control (UIC) regulations by P&Aing the four hydrofracture injection wells and up to 107 associated monitoring wells. Instead of P&A, some of the monitoring wells may be modified for long-term monitoring of contamination associated with the injected grout sheets.

c) Molten Salt Reactor Experiment (MSRE) D&D - This WBS element include two major subprojects, Remediation and D&D. Remediation involves removal of uranium-233 fuel salt from the site, and D&D involves decontamination and decommissioning of Building 7503 and ancillary facilities.

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The objective of this project is to remove the uranium fluoride fuel from the site, remove contaminated and activated equipment from the site, entomb below-grade portions of the MSRE reactor building, and demolish ancillary site facilities to two-feet below grade.

Uranium deposit removal from the ACB is a removal action pursuant to a 1996 Action Memorandum, uranium fluoride salt removal is under an interim ROD, and D&D of the facility will be part of a Melton Valley Reactors ROD.

The fuel salts containing uranium and fission products will be melted while adjusting chemistry to prevent precipitation of uranium (hydrofluorination). Flush salts will be melted without hydrofluorination. Once molten, the salts will be fluorinated in the drain tanks to remove uranium in the form of gaseous UF₆. The UF₆ will be collected on NaF traps for storage pending conversion. The defueled salt will be transferred to canisters that will be stored in a RH-TRU bunker at ORNL pending final disposition. The RGRS system will be modified and operated in support of these operations.

The conversion subproject will convert the uranium fluoride to uranium oxide in a hot cell in Building 4501. The stabilized uranium oxide will be stored in the U-233 repository in Building 3019.

d) Small Facilities D&D - The objective of this subproject is to decommission small facilities in Melton Valley to clear the way for remedial action. The Cooling Towers and IPDF tasks in this project will be addressed through the CERCLA non-time critical removal action process. The remaining sites will be addressed by the CERCLA remedial action process. After removing equipment and materials, the facilities will be demolished to grade (if in a planned cap area) or to two-feet below grade. Contaminated debris, equipment, or material will be disposed of in the EMWMF. Clean debris, equipment, or material will be recycled or disposed in a sanitary landfill. IPDF will be decontaminated for reuse.

e) Homogeneous Reactor Experiment (HRE) D&D - The purpose of the subproject is to decommission the HRE Building 7500 and associated facilities. The objective of this project is also to remove activated and contaminated components from HRE; demolish the HRE and associated facilities to two-feet below grade; dispose of construction debris at facility in either the basement of HRE, the EMWMF, or sanitary landfills, resurface with two-ft of soil, and reseed. All of the release sites in this project, except for the HRE Reactor Building 7500, will be assessed by the Melton Valley Watershed Record of Decision. The HRE Reactor Building 7500 will be assessed by the Reactor D&D ROD.

f) Metal Recovery Facility - The main objective of this subproject is to dismantle the facilities, including foundation removal, and to perform final disposition of the generated waste. In order to achieve the main objective, the following must be accomplished.

- Regulatory documentation will be prepared and submitted to the appropriate government agencies for their review of the remedial goals for the facilities.
- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a Request for Proposal (RFP) issued.
- A contract will be awarded based on technical approach, cost, and work force transition.
- Develop an Engineering Evaluation/Cost Analysis (EE/CA) and Action Memorandum (AM) to include two total facilities.
-

g) Isotopes Facilities (Building 3026 C&D) - The main objective of this subproject is to dismantle the facilities, including foundation removal, and to perform final disposition of the generated waste. In order to achieve the main objective the following must be accomplished.

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- Regulatory documentation will be prepared and submitted to the appropriate government agencies for their review of the remedial goals for the facilities.
- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a RFP issued.
- A contract will be awarded based on technical approach, cost, and work force transition.

h) Northeast Corner Facilities D&D- The main objective of this subproject is to dismantle the facilities, including foundation removal to two-feet below grade, and to perform final disposition of the generated waste. In order to achieve the main objective the following must be accomplished. Regulatory documentation will be prepared and submitted to the appropriate government agencies for their concurrence of the remedial goals for the facilities.

- The regulatory assessment for this project will be performed under the Bethel Valley Watershed ROD.
- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a RFP issued.
- A contract will be awarded based on technical approach, cost, and work force transition.

i) Isotope Area Facilities D&D- The main objective of this subproject is to dismantle the facilities, including foundation removal to two-feet below grade, and to perform final disposition of the generated waste. In order to achieve the main objective the following must be accomplished. Regulatory documentation will be prepared and submitted to the appropriate government agencies for their concurrence of the remedial goals for the facilities.

- The regulatory assessment for this project will be performed under the Bethel Valley Watershed ROD.
- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a RFP issued.
- A contract will be awarded based on technical approach, cost, and work force transition.

j) Chemical Development Lab Facilities D&D- The main objective of this subproject is to dismantle the facilities, including foundation removal to two-feet below grade, and to perform final disposition of the generated waste. In order to achieve the main objective the following must be accomplished. Regulatory documentation will be prepared and submitted to the appropriate government agencies for their concurrence of the remedial goals for the facilities.

- The regulatory assessment for this project will be performed under the Bethel Valley Watershed ROD.
- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a RFP issued.
- A contract will be awarded based on technical approach, cost, and work force transition.

k) Reactor Area Facilities D&D- The main objective of this subproject is to dismantle the facilities, including foundation removal to two-feet below grade, and to perform final disposition of the generated waste. In order to achieve the main objective the following must be accomplished. Regulatory documentation will be prepared and submitted to the appropriate government agencies for their concurrence of the remedial goals for the facilities.

- The regulatory assessment for this project will be performed under the Bethel Valley Watershed ROD.

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- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a RFP issued.
- A contract will be awarded based on technical approach, cost, and work force transition.

l) Tank Area Facilities D&D- The main objective of this subproject is to dismantle the facilities, including foundation removal to two-feet below grade, and to perform final disposition of the generated waste. In order to achieve the main objective the following must be accomplished.

- Regulatory documentation will be prepared and submitted to the appropriate government agencies for their concurrence of the remedial goals for the facilities.
- The regulatory assessment for this project will be performed under the Bethel Valley Watershed ROD.
- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a RFP issued.
- A contract will be awarded based on technical approach, cost, and work force transition.

m) BV Graphite Reactor -

The main objective of this subproject is stabilize the void in the core of the Graphite Reactor located in Building 3001.

- Regulatory documentation will be prepared and submitted to the appropriate government agencies for their concurrence of the remedial goals for the facilities.
- The regulatory assessment for this project will be performed under the Bethel Valley Watershed ROD.
- Existing safety documentation will be reviewed and modified if necessary.
- A procurement package will be developed and a RFP issued.
- A contract will be awarded based on technical approach, cost, and work force transition.

Project Status in FY 2006:

MV Reactor D&D ROD: This project is scheduled for completion in FY 2003.

MV Hydrofracture D&D: This project is scheduled for completion in FY 2004.

MSRE D&D: This project is scheduled for completion in FY 2006.

MV Small Facilities D&D: This project is scheduled for completion in FY 2004.

MV Homogeneous Reactor Experiment D&D: This project is scheduled for completion in FY 2006.

BV Metal Recovery Facility: This project includes the D&D of the facility and the associated transfer canal. The project is scheduled for completion in FY 2003.

BV Isotopes Facilities (Building 3026 C&D): This project includes the D&D of the two facilities. This project is scheduled for completion in FY 2003.

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BV Northeast Corner Facilities D&D: This project includes the D&D of five facilities. The project is scheduled for completion in FY 2006.

BV Isotope Area Facilities D&D: This project includes the D&D of fourteen facilities. The project is scheduled for completion in FY 2006.

BV Chemical Development Lab Facilities D&D: This project includes the D&D of three facilities. The fieldwork activities will have been completed, and the development of the Remedial Action Report will have begun.

BV Reactor Area Facilities D&D: This project includes the D&D of eleven facilities. The field activities will be 75% complete.

BV Tank Area Facilities D&D: This project includes the D&D of two facilities. The field activities will be 95% complete.

BV Graphite Reactor: This project includes the stabilization of the reactor core with grout in FY 2003. The Remedial Action Report will be generated and completed in FY 2004.

Post-2006 Project Scope:

BV Chemical Development Lab Facilities D&D: The project will be completed in FY 2007 with the completion of the Remedial Action Report.

BV Reactor Area Facilities D&D: The project will be completed in FY 2008 with the completion of field activities and the Remedial Action Report.

BV Tank Area Facilities D&D: The project will be completed in FY 2007 with the completion of the field activities and the Remedial Action Report.

BV Graphite Reactor: S&M of the facility with continue under the Long Term S&M project until FY 2070.

Project End State

Cleanup of the ORNL Melton Valley does not allow for unrestricted use; however it does ensure protection for receptors under present and anticipated land uses. These land uses include industrial in the eastern portion and restricted waste management in areas near the major Solid Waste Storage Areas where large inventories of waste will be hydrologically isolated and left in place under long-term institutional control. It also includes recreational land use for waters of the State and associated floodplain areas. Hydrofracture grout sheets will be placed under long-term institutional control and hydrofracture injection and monitoring wells will be plugged and abandoned mitigating contaminant migration from the grout sheets to the surface. Several buildings (and other structures) will be demolished or decontaminated and stabilized (such as cleaned and grouted). Uranium deposits and fuel salt will be removed from the Molten Salt Reactor Experiment (MSRE), and the MSRE and the Homogeneous Reactor Experiment (HRE) reactor buildings and auxiliary facilities will be decontaminated and decommissioned (i.e., activated /contaminated components [reactor vessel, drain tanks, vessels and associated piping, etc.] will be cut up/dismantled, packaged, and disposed, and demolition debris will be entombed in below-grade cells to meet restricted industrial land use requirements).

The cleanup of the ORNL Bethel Valley includes the removal of facilities to two-feet below final grade and the grouting of any subsurface structures. The graphite reactor core will be stabilized with grout. Contaminated soils will be removed to two-feet below finish grade and to three-feet from the facilities' exterior walls.

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Cost Baseline Comments:

The DOE EM Life Cycle Baseline that was recently issued in draft form from Bechtel Jacobs Company to DOE-ORO is the cost basis for the PBS. Following development of scope statements, several methods were used for creating the cost estimates in the Life Cycle Baseline: use of cost estimating models, use of existing estimates, use of unit-price estimates, and extrapolation estimates. These are discussed below.

1. Existing Estimates - Existing estimates were also used. These estimates range in quality from detailed Feasibility Study estimates to one-line entry estimates. Regardless of the level of existing estimate detail, these estimates were reviewed for accuracy and modified as required to adequately qualify the line-item cost data.
2. Extrapolation Estimates - Extrapolation estimates were typically derived from historical cost data and based on a required level of effort to perform a task or upon a historical production quantity. One example of an extrapolation estimate might be an estimate for the operation of a waste handling facility. In this example, the only available data might be the quantity of wastes handled per year and some historical costs for the different sub-operations of the facility over a given duration. To prepare a new estimate for planned out-year operations, extrapolations of these actual costs would be adjusted with logic from more recent cost trends and the Managing & Integrating Contractor approach/expectations. No matter which estimating method was used, each estimate was reviewed for errors, omissions, and consistency in approach across the DOE-ORO EM Program.

Safety & Health Hazards:

Hydrofracture injection and monitoring wells provide a pathway for contaminant movement from the grout sheets to usable groundwater and surface waters. Residual contamination in hydrofracture process storage tanks and continuing release of contaminants from the Old Hydrofracture Pond pose a threat to groundwater, surface water, and worker exposure. Continued deterioration of facilities and structures, such as the MSRE, HRE, and hydrofracture process buildings, pose a potential for significant release of contaminants to the environment. Uranium deposits and fuel salt in the MSRE have the potential for nuclear criticality, worker exposure, and environmental release.

The major contaminants of concern for Bethel Valley are Sr-90 and Cs-137 in the facilities. However, due to ORNL being a research laboratory, numerous other isotopes have been identified in the facilities. The radiological hazards pose a further risk to the environment through continued migration. The hazards to the workers include radiological exposure from inhalation, contact, and general exposure. Workers are also placed in danger due to the deteriorated condition of the facilities.

Safety & Health Work Performance:

The Integrated Safety Management System will be used on all projects to ensure that work is performed safely. The scope of work will be defined in subcontract or other work planning documents. Mission goals and expectations will be defined in the scope of work. Hazards will be analyzed and identified by both the Bechtel Jacobs Environmental Safety and Health (ES&H) Team and the subcontractor's Safety and Health personnel. An ES&H crosswalk has been developed as a tool to document environmental, safety, and health hazards for each subcontract. Controls are developed and implemented by identifying the standards and requirements using the Work Smart Standards and these standards are included as part of the ES&H crosswalk. After the hazards and the method of work accomplishment are identified, an Activity Hazard Assessment (AHA) is required for each activity or task. Work cannot be performed until all of the required safety documentation is completed and reviewed for accuracy. Workers must also be properly trained and participate in pre-job reviews. Workers are required to review the applicable AHAs as well as attend daily safety meetings. Feedback and improvement are included in each step of the Integrated Safety Management System. Changes to improve worker safety as well as

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worker involvement in safety are included as part of the feedback and improvement process. At any time workers can stop a work activity if there are questions about safety. In addition, the Bechtel Jacobs ES&H Team will conduct oversight of work activities to identify compliance with safety plans, improvement of worker safety, and any additional or unforeseen hazards.

PBS Comments:

Baseline Validation Narrative:

The Oak Ridge Operations Office Environmental Management Life Cycle Baseline (LCB) was submitted by the Managing and Integrating Contractor, Bechtel Jacobs Company LLC, to DOE-ORO on April 1, 1999. The final draft LCB will be submitted to DOE-ORO on June 1, 1999 after formal receipt and incorporation of comments. A validation of the baseline is in process using an independent contractor to DOE-ORO. The validation will be ongoing until complete and the final validation report is scheduled to be issued on June 25, 1999.

General PBS Information

Project Validated?

Date Validated:

Has Headquarters reviewed and approved project?

No

Date Project was Added: 3/10/1999

Baseline Submission Date: 7/1/1999

FEDPLAN Project? Yes

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	Y	N	N	N	N	N	Y	Y

Project Identification Information

DOE Project Manager: Cavanaugh Mims

DOE Project Manager Phone Number: 423-576-9481

DOE Project Manager Fax Number: 423-576-5333

DOE Project Manager e-mail address: mimsc@oro.doe.gov

Is this a High Visibility Project (Y/N):

Planning Section

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Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS Baseline (current year dollars)	229,867	5,426	235,293	694	2,430	5,428	6,605		21,419	28,964	45,982	25,257	39,283	39,034	23,806	
PBS Baseline (constant 1999 dollars)	211,777	4,591	216,368	694	2,430	5,428	6,605		20,978	27,785	43,203	23,242	35,406	34,458	20,583	
PBS EM Baseline (current year dollars)	229,867	5,426	235,293	694	2,430	5,428	6,605		21,419	28,964	45,982	25,257	39,283	39,034	23,806	
PBS EM Baseline (constant 1999 dollars)	211,777	4,591	216,368	694	2,430	5,428	6,605		20,978	27,785	43,203	23,242	35,406	34,458	20,583	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	5,205	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	4,408	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	5,205	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (constant 1999 dollars)	4,408	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%		2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

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2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project:

Current Projected End Date of Project: 12/7/2007

Explanation of Project Completion Date Difference (if applicable):

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	Actual 1997 Cost:	2,430	Actual 1998 Cost:	6,605
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	-9,035	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):	-244	
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	-9,279			

Project Cost Changes

Cost Adjustments Reconciliation Narratives

Cost Change Due to Scope Deletions (-):

Cost Reductions Due to Efficiencies (-):

Cost Associated with New Scope (+):

Cost Growth Associated with Scope Previously Reported (+):

Cost Reductions Due to Science & Technology Efficiencies (-):

Subtotal: -9,279

Additional Amount to Reconcile (+): 219,525

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): 210,246

Milestones

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Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
MV REACTOR D&D - SUBMIT DRAFT FS REPORT TO REGS FOR REVIEW	OR331-001		5/8/2001								
MV REACTOR D&D - SUBMIT DRAFT PP TO REGS FOR REVIEW	OR331-002		9/17/2001								
MV REACTOR D&D - SUBMIT DRAFT ROD TO REGS FOR REVIEW	OR331-003		4/15/2002							Y	
MV REACTOR D&D - SUBMIT DRAFT RDWP TO REGS FOR REVIEW	OR331-004		9/23/2002								
MV HYDROFRACTURE D&D, OHF WELL P/A DRAFT RDR/RAWP TO REGS FOR RVW	OR331-005		8/28/2001	9/15/2000			Y				
MV HYDROFRACTURE D&D, OHF WELL P/A CORRECT MEASURES/REMEDIAL ACTION START	OR331-006		1/24/2002								
MV HYDROFRACTURE D&D, OHF WELL P/A - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-007		4/21/2003								
MV HYDROFRACTURE D&D, OHF WELL P/S - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-008		9/9/2003								
MV HYDROFRACTURE D&D, OHF TANK - SUBMIT DRAFT RmAWP TO REGS FOR REVIEW	OR331-009		11/18/1999	8/30/2000			Y				
MV HYDROFRACTURE D&D, OHF TANK - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-010		2/21/2000								
MV HYDROFRACTURE D&D, OHF TANK - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-011		3/24/2000								
MV HYDROFRACTURE D&D, OHF TANK - SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR331-012		5/18/2000								
MV HYDROFRACTURE D&D, OHF D&D - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR331-013		11/14/2000								
MV HYDROFRACTURE D&D, OHF D&D -	OR331-014		3/8/2001								

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Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
CORRECT MEASURES/REMEDIAL ACTION START											
MV HYDROFRACTURE D&D, OHF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-015		8/28/2001								
MV HYDROFRACTURE D&D, OHF D&D - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-016		12/10/2001								
MV HYDROFRACTURE D&D, OHF POND - SUBMIT DRAFT RmAWP TO REGS FOR REVIEW	OR331-017		1/12/2001	5/30/1999			Y				
MV HYDROFRACTURE D&D, OHF POND - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-018		5/2/2001								
MV HYDROFRACTURE D&D, OHF POND - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-019		9/24/2001								
MV HYDROFRACTURE D&D, OHF POND - SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR331-020		12/31/2001								
MV HYDROFRACTURE D&D, NHF D&D-SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR331-021		7/23/2001								
MV HYDROFRACTURE D&D, NHF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-022		11/7/2001								
MV HYDROFRACTURE D&D, NHF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-023		5/2/2002								
MV HYDROFRACTURE D&D, NHF D&D - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-024		8/14/2002								
ORNL D&D DEF - PROJECT START	OR331-025		10/1/1996								
ORNL D&D DEF - PROJECT END	OR331-026		12/7/2007								
MSRE D&D, UDR - RmA - REMOVAL ACTION	OR331-027		4/3/2001								

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Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

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Milestones

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CONSTRUCTION START											
MSRE D&D, UDR - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-028		9/28/2001								
MSRE D&D, UDR - SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR331-029		3/20/2002	7/30/1999			Y				
MSRE D&D, FSDI - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR331-030		6/30/1999	6/30/1999			Y				
MSRE D&D, FSDI - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-031		11/1/2002								
MSRE D&D, COMPLETE RGR & UDR U CONVERISON (IP-3.5-005D)	OR331-032		2/20/2002								
MSRE D&D - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR331-033		1/7/2003								
MSRE D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-034		6/12/2003								
MSRE D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-035		3/16/2005								
MSRE DD - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-036		8/3/2005								
MV SMALL FAC D&D, CT - SUBMIT EE/CA TO DOE/EPA/TDEC FOR RVW, D0/D1	OR331-037		10/24/2001								
MV SMALL FAC D&D, CT - SUBMIT ACTION MEMO FOR DOE/EPA/TDEC RVW, D0/D1	OR331-038		2/20/2002								
MV SMALL FAC D&D, CT (HRE TOWER) - SUBMIT RmAWP FOR DOE/EPA/TDEC REVIEW, D0/D1	OR331-039		4/29/2002								
MV SMALL FAC D&D, CT (HRE TOWER) - RmA- REMOVAL ACTION CONSTRUCTION START	OR331-040		6/10/2002								

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MV SMALL FAC D&D, CT (HRE TOWER) - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-041		6/24/2002								
MV SMALL FAC D&D, CT (HRE TOWER) - SUBMIT RmAR FOR DOE/EPA/TDEC REVIEW, DO/D1	OR331-042		7/19/2002								
MV SMALL FAC D&D, CT (BALANCE OF TOWERS) - SUBMIT RmAWP FOR DOE/EPA/TDEC RVW, D0/D1 (CT's)	OR331-043		4/5/2002								
MV SMALL FAC D&D, CT (BALANCE OF TOWERS) - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-044		4/22/2002								
MV SMALL FAC D&D, CT (BALANCE OF TOWERS) - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-045		7/18/2002								
MV SMALL FAC D&D, CT (BALANCE OF TOWERS)-SUBMIT RmAR FOR DOE/EPA/TDEC REVIEW, DO/D1	OR331-046		8/12/2002								
MV SMALL FAC D&D, STT - RDR/RAWP-ISSUE TO EPA/TDEC FOR REVIEW, D1	OR331-047		8/21/2000								
MV SMALL FAC D&D, STT - CORRECT MEASURES/REMEDIAL ACTION START	OR331-048		1/30/2001								
MV SMALL FAC D&D, STT - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-049		3/26/2001								
MV SMALL FAC D&D, STT - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW D1	OR331-050		8/13/2001								
MV SMALL FAC D&D, IDPF - SUBMIT DRAFT EE/CA TO REGS FOR REVIEW, D1	OR331-051		1/3/2002								
MV SMALL FAC D&D, IDPF - SUBMIT DRAFT	OR331-052		2/11/2003								

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REMOVAL ACTON WORK PLAN TO REGS FOR REVIEW, D1											
MV SMALL FAC D&D, IDPF - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-053		8/18/2003								
MV SMALL FAC D&D, IDPF - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-054		2/27/2004								
MV SMALL FAC D&D, IDPF - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-055		6/23/2004								
MV SMALL FAC D&D, SWSA 4 - SUBMIT DRAFT RDR/RAWPLAN TO REGS FOR REVIEW, D1	OR331-056		10/17/2000								
MV SMALL FAC D&D, SWSA 4 - CORRECT MEASURES/REMEDIAL ACTION START	OR331-057		3/27/2001								
MV SMALL FAC D&D, SWSA 4 - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-058		9/17/2001								
MV SMALL FAC D&D, SWSA 4 - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-059		2/6/2002								
BV TAF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-060		1/7/2005								
BV TAF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-061		7/29/2005								
BV TAF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-062		8/11/2006								
BV TAF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-063		12/28/2006								
BV TAF, FPPP D&D - SUBMIT DRAFT ENGINEERING EVALUATION/COST	OR331-064		2/9/2000								

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ASSESSMENT TO REGS FOR REVIEW, D1											
BV TAF, FPPP D&D - SUBMIT DRAFT ACTION MEMORANDUM TO REGS FOR REVIEW, D1	OR331-065		6/28/2000							Y	
BV TAF, FPPP, D&D - SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-066		4/5/2001								
BV TAF, FPPP, D&D - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-067		10/26/2001								
BV TAF, FPPP D&D - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-068		11/8/2002								
BV TAF, FPPP D&D - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-069		3/14/2003								
SGR D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FO REVIEW, D1	OR331-070		10/23/2002								
SGR D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-071		5/16/2003								
SGR D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-072		9/22/2003								
SGR D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-073		2/9/2004								
3026C/D D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-074		3/15/2001								
3026C/D D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-075		9/19/2001								
3026C/D D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-076		9/5/2002								
3026C/D D&D - SUBMIT DRAFT REMEDIAL	OR331-077		12/5/2002								

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ACTION REPORT TO REGS FOR REVIEW, D1											
NECF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-078		10/22/2004								
NECF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-079		5/17/2005								
NECF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-080		11/4/2005								
NECF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-081		3/24/2006								
IAF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-082		3/20/2003								
IAF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-083		10/9/2003								
IAF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-084		5/10/2005								
IAF D&D SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-085		9/23/2005								
CDLF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-086		11/19/2004								
CDLF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-087		6/15/2005								
CDLF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-088		3/30/2006								
CDLF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-089		8/15/2006								

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Milestones

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RAF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-090		5/17/2004								
RAF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-091		12/7/2004								
RAF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-092		1/19/2007								
RAF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-093		6/4/2007								
HRE D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-094		6/6/2003								
HRE D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-095		11/13/2003								
HRE D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-096		8/18/2005								
HRE D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-097		1/5/2006								
MRF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-098		3/15/2001								
MRF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-099		9/20/2001								
MRF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-100		4/15/2002								
MRF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-101		7/16/2002								
MSRE D&D - DNFSB MILESTONE TO COMPLETE SALT	OR331-102		4/24/2002					Y			

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Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
MV SMALL FAC D&D, IDPF - ISSUE DRAFT AM TO REGS FOR REVIEW, D1	OR331-103		5/23/2002							Y	
ORNL Decontamination & Decommissioning - Def Mission Completion	OR331-104		12/7/2007								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
MV REACTOR D&D - SUBMIT DRAFT FS REPORT TO REGS FOR REVIEW	OR331-001										MV REACTOR D&D - SUBMIT DRAFT FS REPORT TO REGS FOR REVIEW, D1.
MV REACTOR D&D - SUBMIT DRAFT PP TO REGS FOR REVIEW	OR331-002										MV REACTOR D&D - SUBMIT DRAFT PROPOSED PLAN TO REGS FOR REVIEW, D1
MV REACTOR D&D - SUBMIT DRAFT ROD TO REGS FOR REVIEW	OR331-003										MV REACTOR D&D - SUBMIT DRAFT RECORD OF DECISION TO REGS FOR REVIEW, D1
MV REACTOR D&D - SUBMIT DRAFT RDWP TO REGS FOR REVIEW	OR331-004										MV REACTOR D&D - SUBMIT DRAFT REMEDIAL DESIGN WORK PLAN TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, OHF WELL P/A DRAFT RDR/RAWP TO REGS FOR RVW	OR331-005										MV HYDROFRACTURE D&D, OHF WELL PLUGGING & ABANDONMENT - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, OHF WELL P/A CORRECT MEASURES/REMEDIAL	OR331-006										MV HYDROFRACTURE D&D, OHF WELL PLUGGING & ABANDONMENT - REMEDIAL

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Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
ACTION START											ACTION START
MV HYDROFRACTURE D&D, OHF WELL P/A - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-007										MV HYDROFRACTURE D&D, OHF WELL PLUGGING & ABANDONMENT - REMEDIAL ACTION COMPLETE
MV HYDROFRACTURE D&D, OHF WELL P/S - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-008										MV HYDROFRACTURE D&D, OHF WELL PLUGGING & ABANDONMENT - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, OHF TANK - SUBMIT DRAFT RmAWP TO REGS FOR REVIEW	OR331-009										MV HYDROFRACTURE D&D, OHF TANK - SUBMIT DRAFT RmAWP TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, OHF TANK - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-010										MV HYDROFRACTURE D&D, OHF TANK - REMOVAL ACTION START
MV HYDROFRACTURE D&D, OHF TANK - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-011										MV HYDROFRACTURE D&D, OHF TANK - REMOVAL ACTION COMPLETE
MV HYDROFRACTURE D&D, OHF TANK - SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR331-012										MV HYDROFRACTURE D&D, OHF TANK - SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, OHF D&D - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR331-013										MV HYDROFRACTURE D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1

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Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
MV HYDROFRACTURE D&D, OHF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-014										MV HYDROFRACTURE D&D, OHF D&D - REMEDIAL ACTION START
MV HYDROFRACTURE D&D, OHF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-015										MV HYDROFRACTURE D&D, OHF D&D - REMEDIAL ACTION COMPLETE
MV HYDROFRACTURE D&D, OHF D&D - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-016										MV HYDROFRACTURE D&D, OHF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, OHF POND - SUBMIT DRAFT RmAWP TO REGS FOR REVIEW	OR331-017										MV HYDROFRACTURE D&D, OHF POND - SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, OHF POND - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-018										MV HYDROFRACTURE D&D, OHF POND - REMOVAL ACTION START
MV HYDROFRACTURE D&D, OHF POND - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-019										MV HYDROFRACTURE D&D, OHF POND - REMOVAL ACTION COMPLETE
MV HYDROFRACTURE D&D, OHF POND - SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR331-020										MV HYDROFRACTURE D&D, OHF POND - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, NHF D&D-SUBMIT DRAFT RDR/RAWP TO REGS FOR	OR331-021										MV HYDROFRACTURE D&D, NHF D&D - SUBMIT DRAFT REMEDIAL DESIGN

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REVIEW											REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV HYDROFRACTURE D&D, NHF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-022										MV HYDROFRACTURE D&D, NHF D&D - REMEDIAL ACTION START
MV HYDROFRACTURE D&D, NHF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-023										MV HYDROFRACTURE D&D, NHF D&D - REMEDIAL ACTION COMPLETE
MV HYDROFRACTURE D&D, NHF D&D - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-024										MV HYDROFRACTURE D&D, NHF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
ORNL D&D DEF - PROJECT START	OR331-025			Y							ORNL D&D DEF - PROJECT START FOR THE PBS
ORNL D&D DEF - PROJECT END	OR331-026				Y						ORNL D&D DEF - PROJECT END DATE FOR PBS
MSRE D&D, UDR - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-027										MSRE D&D, UDR DENATURING/DEPOSIT - REMOVAL ACTION START
MSRE D&D, UDR - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-028										MSRE D&D, UDR DENATURING/DEPOSIT - REMOVAL ACTION COMPLETE
MSRE D&D, UDR - SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR331-029										MSRE D&D, UDR DENATURING/DEPOSIT - DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1
MSRE D&D, FSDI - SUBMIT DRAFT RDR/RAWP TO REGS	OR331-030										MSRE D&D, FUEL SALT DISPOSITION INTEGRATION -

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FOR REVIEW											DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MSRE D&D, FSDI - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-031										MSRE D&D, FUEL SALT DISPOSITION INTEGRATION - DRAFT REMEDIAL ACTION WORK REPORT TO REGS FOR REVIEW, D1
MSRE D&D, COMPLETE RGR & UDR U CONVERISON (IP-3.5-005D)	OR331-032										MSRE D&D - REACTIVE GAS REMOVAL & URANIUM DEPOSIT REMOVAL CONVERSION COMPLETE
MSRE D&D - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR331-033										MSRE D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MSRE D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-034										MSRE D&D - REMEDIAL ACTION START
MSRE D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-035										MSRE D&D - REMEDIAL ACTION COMPLETE
MSRE DD - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR331-036										MSRE DD - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV SMALL FAC D&D, CT - SUBMIT EE/CA TO DOE/EPA/TDEC FOR RVW, D0/D1	OR331-037										MV SMALL FACILITIES D&D, COOLING TOWERS - SUBMIT DRAFT ENGINEERING EVALUATION/COST ASSESSMENT TO DOE/REGS

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Project **OR-331 / ORNL Decontamination & Decommissioning - Def**

Report Number: **GEN-01b**

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HQ ID: **0097**

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
MV SMALL FAC D&D, CT - SUBMIT ACTION MEMO FOR DOE/EPA/TDEC RVW, D0/D1	OR331-038										FOR REVIEW, DO/D1
MV SMALL FAC D&D, CT (HRE TOWER) - SUBMIT RmAWP FOR DOE/EPA/TDEC REVIEW, D0/D1	OR331-039										MV SMALL FACILITIES D&D, COOLING TOWERS - SUBMIT DRAFT ACTION MEMORANDUM TO DOE/REGS FOR REVIEW, D0/D1
MV SMALL FAC D&D, CT (HRE TOWER) - RmA- REMOVAL ACTION CONSTRUCTION START	OR331-040										MV SMALL FACILITIES D&D, COOLING TOWERS (HRE TOWER) - SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO DOE/REGS FOR REVIEW, D0/D1
MV SMALL FAC D&D, CT (HRE TOWER) - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-041										MV SMALL FACILITIES D&D, COOLING TOWERS (HRE TOWER) - REMOVAL ACTION COMPLETE
MV SMALL FAC D&D, CT (HRE TOWER) - SUBMIT RmAR FOR DOE/EPA/TDEC REVIEW, DO/D1	OR331-042										MV SMALL FAC D&D, CT (HRE TOWER) - SUBMIT DRAFT REMOVAL ACTION REPORT TO DOE/REGS FOR REVIEW, D0/D1
MV SMALL FAC D&D, CT (BALANCE OF TOWERS) - SUBMIT RmAWP FOR DOE/EPA/TDEC RVW, D0/D1 (CT's)	OR331-043										MV SMALL FACILITIES D&D, COOLING TOWERS (BALANCE OF TOWERS) - SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV SMALL FAC D&D, CT (BALANCE OF TOWERS) - RmA - REMOVAL ACTION	OR331-044										MV SMALL FACILITIES D&D, COOLING TOWERS (BALANCE OF TOWERS) - REMOVAL

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CONSTRUCTION START											ACTION START
MV SMALL FAC D&D, CT (BALANCE OF TOWERS) - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-045										MV SMALL FACILITIES D&D, COOLING TOWERS (BALANCE OF TOWERS)- REMOVAL ACTION COMPLETE
MV SMALL FAC D&D, CT (BALANCE OF TOWERS)- SUBMIT RmAR FOR DOE/EPA/TDEC REVIEW, DO/D1	OR331-046										MV SMALL FACILITIES D&D, COOLING TOWERS (BALANCE OF TOWERS) - SUBMIT DRAFT REMOVAL ACTION REPORT TO DOE/REGS FOR REVIEW, D0/D1
MV SMALL FAC D&D, STT - RDR/RAWP-ISSUE TO EPA/TDEC FOR REVIEW, D1	OR331-047										MV SMALL FACILITIES D&D, SHIELDED TRANSFER TANKS - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV SMALL FAC D&D, STT - CORRECT MEASURES/REMEDIAL ACTION START	OR331-048										MV SMALL FACILITIES D&D, SHIELDED TRNASFER TANKS - REMEDIAL ACTION START
MV SMALL FAC D&D, STT - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-049										MV SMALL FACILITIES D&D, SHIELDED TRANSFER TANKS - REMEDIAL ACTION COMPLETE
MV SMALL FAC D&D, STT - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW D1	OR331-050										MV SMALL FACILITIES D&D, SHIELDED TRANSFER TANKS - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW D1
MV SMALL FAC D&D, IDPF - SUBMIT DRAFT EE/CA TO REGS FOR REVIEW, D1	OR331-051										MV SMALL FACILITIES D&D, IDPF - SUBMIT DRAFT ENGINEERING

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											EVALUATION/COST ASSESSMENT TO REGS FOR REVIEW, D1
MV SMALL FAC D&D, IDPF - SUBMIT DRAFT REMOVAL ACTON WORK PLAN TO REGS FOR REVIEW, D1	OR331-052										MV SMALL FACILITIES D&D, IDPF - SUBMIT DRAFT REMOVAL ACTON WORK PLAN TO REGS FOR REVIEW, D1
MV SMALL FAC D&D, IDPF - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-053										MV SMALL FACILITIES D&D, IDPF - REMOVAL ACTION START
MV SMALL FAC D&D, IDPF - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-054										MV SMALL FACILITIES D&D, IDPF - REMOVAL ACTION COMPLETE
MV SMALL FAC D&D, IDPF - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-055										MV SMALL FACILITIES D&D, IDPF - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1
MV SMALL FAC D&D, SWSA 4 - SUBMIT DRAFT RDR/RAWPPPLAN TO REGS FOR REVIEW, D1	OR331-056										MV SMALL FACILITIES D&D, SWSA 4 - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV SMALL FAC D&D, SWSA 4 - CORRECT MEASURES/REMEDIAL ACTION START	OR331-057										MV SMALL FACILITIES D&D, SWSA 4 - REMEDIAL ACTION START
MV SMALL FAC D&D, SWSA 4 - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-058										MV SMALL FACILITIES D&D, SWSA 4 - REMEDIAL ACTION COMPLETE

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MV SMALL FAC D&D, SWSA 4 - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-059										MV SMALL FACILITIES D&D, SWSA 4 - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
BV TAF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-060										TANK AREA FACILITIES D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
BV TAF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-061										TANK AREA FACILITIES D&D - REMEDIAL ACTION START
BV TAF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-062										TANK AREA FACILITIES D&D - REMEDIAL ACTION COMPLETE
BV TAF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-063										TANK AREA FACILITIES D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
BV TAF, FPPP D&D - SUBMIT DRAFT ENGINEERING EVALUATION/COST ASSESSMENT TO REGS FOR REVIEW, D1	OR331-064										TANK AREA FACILITIES, FISSION PRODUCT PILOT PLANT D&D - SUBMIT DRAFT ENGINEERING EVALUATION/COST ASSESSMENT TO REGS FOR REVIEW, D1
BV TAF, FPPP D&D - SUBMIT DRAFT ACTION MEMORANDUM TO REGS FOR REVIEW, D1	OR331-065										TANK AREA FACILITIES, FISSION PRODUCT PILOT PLANT D&D - SUBMIT DRAFT ACTION MEMORANDUM TO REGS FOR REVIEW, D1

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BV TAF, FPPP, D&D - SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-066										TANK AREA FACILITIES, FISSION PRODUCT PILOT PLANT D&D - SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
BV TAF, FPPP, D&D - RmA - REMOVAL ACTION CONSTRUCTION START	OR331-067										TANK AREA FACILITIES, FISSION PRODUCT PILOT PLANT D&D - REMOVAL ACTION START
BV TAF, FPPP D&D - RmA - REMOVAL ACTION CONSTRUCTION COMPLETE	OR331-068										TANK AREA FACILITIES, FISSION PRODUCT PILOT PLANT D&D - REMOVAL ACTION COMPLETE
BV TAF, FPPP D&D - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-069										TANK AREA FACILITIES FISSION PRODUCT PILOT PLANT D&D - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1
SGR D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FO REVIEW, D1	OR331-070										STABILIZATION OF GRAPHITE REACTOR D&D, SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FO REVIEW, D1
SGR D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-071										STABILIZATION OF GRAPHITE REACTOR D&D, REMEDIAL ACTION START
SGR D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-072										STABILIZATION OF GRAPHITE REACTOR D&D, REMEDIAL ACTION COMPLETE
SGR D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-073										STABILIZATION OF GRAPHITE REACTOR D&D, SUBMIT DRAFT REMEDIAL ACTION REPORT TO

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3026C/D D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-074										REGS FOR REVIEW, D1 ISOTOPES FACILITIES 3026C/D D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
3026C/D D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-075										ISOTOPES FACILITIES 3026C/D D&D - REMEDIAL ACTION START
3026C/D D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-076										ISOTOPES FACILITIES 3026C/D D&D - REMEDIAL ACTION COMPLETE
3026C/D D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-077										ISOTOPES FACILITIES 3026C/D D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
NECF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-078										NORTHEAST CORNER FACILITIES D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
NECF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-079										NORTHEAST CORNER FACILITIES D&D - REMEDIAL ACTION START
NECF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-080										NORTHEAST CORNER FACILITIES D&D - REMEDIAL ACTION COMPLETE
NECF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT	OR331-081										NORTHEAST CORNER FACILITIES D&D - SUBMIT

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Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
TO REGS FOR REVIEW, D1											DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
IAF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-082										ISOTOPE AREA FACILITIES D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
IAF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-083										ISOTOPE AREA FACILITIES D&D - REMEDIAL ACTION START
IAF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-084										ISOTOPE AREA FACILITIES D&D - REMEDIAL ACTION COMPLETE
IAF D&D SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-085										ISOTOPE AREA FACILITIES D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
CDLF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-086										CHEMICAL DEVELOPMENT LABORATORY FACILITIES D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
CDLF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-087										CHEMICAL DEVELOPMENT LABORATORY FACILITIES D&D - REMEDIAL ACTION START
CDLF D&D - CORRECT MEASURES/REMEDIAL	OR331-088										CHEMICAL DEVELOPMENT LABORATORY FACILITIES

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ACTION COMPLETE											D&D - REMEDIAL ACTION COMPLETE
CDLF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-089										CHEMICAL DEVELOPMENT LABORATORY FACILITIES D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
RAF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-090										REACTOR AREA FACILITIES D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
RAF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-091										REACTOR AREA FACILITIES D&D - REMEDIAL ACTION START
RAF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-092										REACTOR AREA FACILITIES D&D - REMEDIAL ACTION COMPLETE
RAF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-093										REACTOR AREA FACILITIES D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
HRE D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-094										HOMOGENEOUS REACTOR EXPERIMENT D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
HRE D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-095										HOMOGENEOUS REACTOR EXPERIMENT D&D - REMEDIAL ACTION START

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HRE D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-096										HOMOGENEOUS REACTOR EXPERIMENT D&D - REMEDIAL ACTION COMPLETE
HRE D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-097										HOMOGENEOUS REACTOR EXPERIMENT D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MRF D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1	OR331-098										METAL RECOVERY FACILITY D&D - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MRF D&D - CORRECT MEASURES/REMEDIAL ACTION START	OR331-099										METAL RECOVERY FACILITY D&D - REMEDIAL ACTION START
MRF D&D - CORRECT MEASURES/REMEDIAL ACTION COMPLETE	OR331-100										METAL RECOVERY FACILITY D&D - REMEDIAL ACTION COMPLETE
MRF D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1	OR331-101										METAL RECOVERY FACILITY D&D - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MSRE D&D - DNFSB MILESTONE TO COMPLETE SALT	OR331-102										MSRE D&D - COMPLETE FUEL SALT DT-1 REMOVAL & PROCESSING
MV SMALL FAC D&D, IDPF - ISSUE DRAFT AM TO REGS FOR REVIEW, D1	OR331-103										MV SMALL FACILITIES D&D - SUBMIT DRAFT ACTION MEMO
ORNL Decontamination &	OR331-104					Y					

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Decommissioning - Def Mission Completion											

Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
RS														
Assess.	NR	25.00	0.00	25.00					23.00			2.00		
RS														
Cleanup	NR	25.00	0.00	25.00						6.00		3.00	12.00	
Fac.														
Decom.- Assess.	NF	21.00	0.00	21.00				1.00	7.00			13.00		
Fac.														
Decom- Cleanup	NF	21.00	0.00	21.00								6.00	1.00	1.00
Rem. Waste														
Disposed	M3	5,353.00	192.00	5,545.00					337.00	399.00	13.00	1,943.00	65.00	506.00
Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	
RS														
Assess.	NR													
RS														
Cleanup	NR		2.00	2.00										

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Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	
Fac.														
Decom.- Assess.	NF													
Fac.														
Decom- Cleanup	NF	1.00	7.00	6.00										
Rem. Waste														
Disposed	M3	506.00	1,015.00	1,075.00	192.00									
Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total				
RS														
Assess.	NR									25.00				
RS														
Cleanup	NR									25.00				
Fac.														
Decom.- Assess.	NF									21.00				
Fac.														
Decom- Cleanup	NF									21.00				
Rem. Waste														
Disposed	M3									5,208.00				
Release Sites														
Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
ORTN	0437		RAIMS Unit #647 \ LLLW Lines and Leak Sites - OHF	/	1999	1999	8/31/1999	2002	2002			N		Y
ORTN	0438		RAIMS Unit #648 \ LLLW Lines and Leak	/	1999	1999	8/31/1999	2002	2002			N		Y

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Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
Sites - Building 7852														
ORTN	0439		RAIMS Unit #724 \ Old Hydrofracture Facility (OHF) Pond (7852A)	Liquid Surface Impoundments/Holding Ponds	1999	1999	1/19/1999	2000	2000			N		Y
ORTN	0440		RAIMS Unit #3 \ Inactive OHF Waste Storage Tank T1	Tanks/Underground Storage Tanks	1999	1999	1/19/1999	2000	2000			N		Y
ORTN	0441		RAIMS Unit #5 \ Inactive OHF Waste Storage Tank T2	Tanks/Underground Storage Tanks	1999	1999	1/19/1999	2000	2000			N		Y
ORTN	0442		RAIMS Unit #7 \ Inactive OHF Waste Storage Tank T3	Tanks/Underground Storage Tanks	1999	1999	1/19/1999	2000	2000			N		Y
ORTN	0443		RAIMS Unit #9 \ Inactive OHF Waste Storage Tank T4	Tanks/Underground Storage Tanks	1999	1999	1/19/1999	2000	2000			N		Y
ORTN	0444		RAIMS Unit #11 \ Inactive OHF Waste Storage Tank T9	Tanks/Underground Storage Tanks	1999	1999	1/19/1999	2000	2000			N		Y
ORTN	0445		RAIMS Unit #646 \ LLLW Lines and Leak Sites - From Valve Box to OHF	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2002	2002			N		Y
ORTN	0455		RAIMS Unit #598 \ Hydrofracture Experimental Site 1, Soil Contamination (HF-S1A)	Spills and Leaks/Surface Spills	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0484		RAIMS Unit #604 \ Inactive LLLW Collection Tank 7503A	Tanks/Above Ground Storage Tanks	2002	2002		2005	2005			N		Y
ORTN	0490		RAIMS Unit #596 \ Hydrofracture Experimental Site 2, Soil Contamination (HF-S2A)	Spills and Leaks/Surface Spills	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0493		RAIMS Unit #597 \ Hydrofracture Experimental Site 1 (HF-S1) Grout Sheets	Miscellaneous/Other	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0494		RAIMS Unit #599 \ Hydrofracture Experimental Site 2 (HF-S2) Grout Sheets	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y

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Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
ORTN	0497		RAIMS Unit #714 \ OHF Grout Sheets (7852) and Injection Well	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0579		RAIMS Unit #696 \ MSRE Storage Well	Buildings & Equipment/Storage Building / Warehouse	2002	2002		2005	2005			N		Y
ORTN	0617		RAIMS Unit #893 \ HRE Waste Valve Pit	Buildings & Equipment/Other Buildings	1999	1999	8/31/1999	2006	2006			N		Y
ORTN	0618		RAIMS Unit #709 \ New HF Grout Sheets & Injection Well (HF-3)	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0620		RAIMS Unit #832 \ Soil at HRE Decontamination Pad/Shed (7561)	Spills and Leaks/Surface Spills	1999	1999	8/31/1999	2006	2006			N		Y
ORTN	0628		RAIMS Unit #1863 \ Hydrofracture Experimental Site 2 (HF-S2) Injection Well	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0629		RAIMS Unit #1864 \ Hydrofracture Experimental Site 2 (HF-S2) Monitoring Wells	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0630		RAIMS Unit #1576 \ NHF Monitoring Wells	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0631		RAIMS Unit #1577 \ OHF Monitoring Wells	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0838		RAIMS Unit #1578 \ Hydrofracture Experimental Site 1 (HF-S1) Injection Well	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y
ORTN	0839		RAIMS Unit #1579 \ Hydrofracture Experimental Site 1 (HF-S1) Monitoring Wells	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2003	2003			N		Y

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Facility Decommissioning

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ORTN	0557		RAIMS Unit #715 \ OHF Site Surface Facilities (7852)	Buildings & Equipment\Other Buildings	Radiological Facility	1999	1999	8/31/1999				2002	2002			N		Y
ORTN	0559		RAIMS Unit #876 \ HRE Waste Evaporator 7502	Buildings & Equipment\Other Buildings	Radiological Facility	1999	1999	8/31/1999				2006	2006			N		Y
ORTN	0560		RAIMS Unit #878 \ HRE Waste Evaporator Loading Pit (7558)	Buildings & Equipment\Other Buildings	Radiological Facility	1999	1999	8/31/1999				2006	2006			N		Y
ORTN	0561		RAIMS Unit #579 \ HRE Cooling Tower 7554	Buildings & Equipment\Other Buildings	Radiological Facility	2002	2002					2002	2002			N		Y
ORTN	0562		RAIMS Unit #581 \ HRE Reactor Building 7500	Buildings & Equipment\Research Reactor	Radiological Facility	2002	2002					2006	2006			N		Y
ORTN	0563		RAIMS Unit #578 \ HRE Charcoal Absorber Pit 7557	Buildings & Equipment\Other Buildings	Radiological Facility	1999	1999	8/31/1999				2006	2006			N		Y
ORTN	0564		RAIMS Unit #411 \ HRE Charcoal Absorber Valve Pit 7559	Buildings & Equipment\Other Buildings	Radiological Facility	1999	1999	8/31/1999				2006	2006			N		Y
ORTN	0567		RAIMS Unit #693 \ MSRE Office Building (7509)	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	2002	2002					2005	2005			N		N
ORTN	0569		RAIMS Unit #697 \ MSRE Supply Air Filter House Bldg. 7514	Buildings & Equipment\Other Buildings	Nuclear Facility, Category 2	2002	2002					2005	2005			N		Y
ORTN	0570		RAIMS Unit #689 \ MSRE Cooling Tower 7513	Buildings & Equipment\Other Buildings	Other Industrial Facility	1999	1999	8/31/1999				2005	2005			N		Y

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Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
ORTN	0572		RAIMS Unit #690 \ MSRE Diesel Generator House 7555 Former Storage Area	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	2002	2002					2005	2005			N		Y
ORTN	0573		RAIMS Unit #694 \ MSRE Reactor Building (7503)	Buildings & Equipment\Research Reactor	Nuclear Facility, Category 2	2002	2002					2005	2005			N		Y
ORTN	0575		RAIMS Unit #695 \ MSRE Stack 7512	Buildings & Equipment\Other Buildings	Nuclear Facility, Category 2	2002	2002					2005	2005			N		Y
ORTN	0577		RAIMS Unit #691 \ MSRE Filter Pit [Off-Gas Filter House (7511)]	Buildings & Equipment\Other Buildings	Nuclear Facility, Category 2	2002	2002					2005	2005			N		Y
ORTN	0616		RAIMS Unit #1390 \ HRE Decon Pad/Shed 7561	Buildings & Equipment\Other Buildings	Radiological Facility	1999	1999	8/31/1999				2006	2006			N		Y
ORTN	0724		RAIMS Unit #629 \ Integrated Process Demonstration Facility (7602)	Buildings & Equipment\Other Buildings	Radiological Facility	2002	2002		2004	2004	10/1/1998	2004	2004			N		Y
ORTN	0726		RAIMS Unit #719 \ Oak Ridge Research Reactor Heat Exchanger (3087)	Buildings & Equipment\Other Buildings	Other Industrial Facility	2002	2002					2002	2002			N		Y
ORTN	0727		RAIMS Unit #1617 \ ORRR A/C Cooling Tower (3089)	Buildings & Equipment\Other Buildings	Other Industrial Facility	2002	2002					2002	2002			N		Y
ORTN	0728		RAIMS Unit #1619 \ ORRR Cooling Tower #3 (Building 3103)	Buildings & Equipment\Other Buildings	Other Industrial Facility	2002	2002					2002	2002			N		Y
ORTN	0729		RAIMS Unit #1626 \ Pool-water Cooling Tower (3086)	Buildings & Equipment\Other Buildings	Other Industrial Facility	2002	2002					2002	2002			N		Y

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Facility Decommissioning

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ORTN	0837		RAIMS Unit #1870 \ Molten Salt Reactor Experiment Fuel Salt	Miscellaneous\Other		1998	1998	2/25/1998				2003	2003			N		Y

Facility Deactivation

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
ORTN	0724		RAIMS Unit #629 \ Integrated Process Demonstration Facility (7602)	Buildings & Equipment\Other Buildings	Radiological Facility	2002	2002		2004	2004	10/1/1998	2004	2004			N		Y

Technology Needs

Site Need Code: **ORDD-01**

Site Need Name: **Improved Characterization of Equipment, Machinery, Fabricated Metals and Other Materials**

Focus Area Work Package ID: **DD-07**

Focus Area Work Package: **Hot Cell Facilities and Laboratory Equipment D&D**

Focus Area: **DDFA**

Agree with Technology Link: **Y**

Benefits (Cost, Risk Reduction, Both): **Cost**

Technologies

Pipe Explorer (TM) System

Cost Savings (in thousands of dollars)

0

Portable X-Ray Fluorescence Spectrometer

0

Range of Estimate

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Technology Needs

Site Need Code: ORDD-02

Site Need Name: Improved Decontamination of Equipment, Machinery, Fabricated Metals, and Other Materials

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Both

Technologies

Steam Vacuum Cleaning

Cost Savings (in thousands of dollars)

0

Range of Estimate

Soft Media Blast Cleaning

0

Site Need Code: ORDD-03

Site Need Name: Improved Decontamination of Facility Concrete and Painted Surfaces

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Both

Technologies

Remotely Operated Scabbling

Cost Savings (in thousands of dollars)

0

Range of Estimate

Site Need Code: ORDD-06

Site Need Name: Improved Remote Decontamination Methods

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Risk Reduction

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

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Technology Needs

Dual Arm Work Platform Teleoperated Robotics System	0
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Site Need Code: ORDD-07

Site Need Name: Remote Dismantlement Methods

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Risk Reduction

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Mobile Robot Worksystem (ROSIE)	0
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Site Need Code: ORDD-09

Site Need Name: Improved Non-Thermal Cutting of Process Equipment

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Risk Reduction

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Hand Held Shear	0
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Technology Needs

Site Need Code: ORDD-10

Site Need Name: Improved Asbestos Disposition

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Both

Technologies

Asbestos Pipe-Insulation Removal System

Cost Savings (in thousands of dollars)

0

Range of Estimate

Thermal Conversion of Asbestos

0

Site Need Code: ORDD-12

Site Need Name: Improved Characterization of Buildings and Facilities

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Cost

Technologies

Mobile Automated Characterization System

Cost Savings (in thousands of dollars)

0

Range of Estimate

Gamma Cam (TM) Radiation Imaging System

0

Cogema 3-D Gamma Imaging

0

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